

PROJECT NUMBER: 1503  
PROJECT TITLE: Modified Smoking Materials  
PROJECT LEADER: W. A. Nichols  
PERIOD COVERED: November 1989

I. BINDER TECHNOLOGY

- A. Objective: Investigate the mechanism of filler bonding and stiffness produced by coating. Improve commercial feasibility by examining alternate binders and processes.
- B. Results: Firmness data from cigarettes bonded with alternate binders, potato maltodextrin and potato starch were received and analyzed. The control pectin coated filler cigarettes were firmer than the cigarettes produced with potato maltodextrin and potato starch coated filler. Further work would be required to determine if modification of the processing parameters on the low density rod maker could enhance firmness with these binders. The cigarettes will be tested for subjectives.
- C. Plans: A completion report will be written on alternate binders.

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